



U.S. ENVIRONMENTAL PROTECTION AGENCY  
 Office of Pesticide Programs  
 Registration Division (7505P)  
 1200 Pennsylvania Ave., N.W.  
 Washington, D.C. 20460

EPA Reg. Number:

53883-419

Date of Issuance:

3/30/18

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
 (under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

CSI Nova 10 SC

Name and Address of Registrant (include ZIP Code):

Haley Wade, Regulatory Assistant  
 Control Solutions, Inc.  
 5903 Genoa-Red Bluff  
 Pasadena, TX 77507-1041

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Richard Gebken, Product Manager 10  
 Invertebrate & Vertebrate Branch 2  
 Registration Division (7505P)  
 Office of Pesticide Programs

Date:

3/30/18

2. You are required to comply with the data requirements described in the DCI Order identified below:
  - a. a. Novaluron GDCI-124002-1545

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI listed above, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division: <http://iaspub.epa.gov/apex/pesticides/f?p=chemicalsearch:1>

3. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. A one year study is required to satisfy these data requirements. You have 18 months from the date of registration to provide these data.
4. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, “EPA Reg. No. 53883-419.”
5. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated March 20, 2018

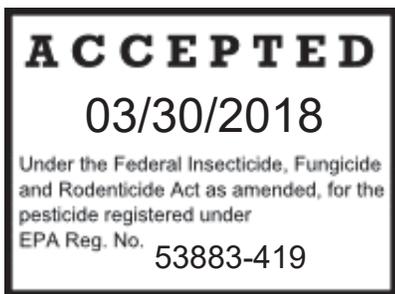
If you have any questions, please contact Carmen Rodia by phone at (703) 306-0327, or via email at [Rodia.Carmen@epa.gov](mailto:Rodia.Carmen@epa.gov).

Sincerely,



Richard Gebken  
Product Manager 10  
Invertebrate & Vertebrate Branch 2  
Registration Division (7505P)  
Office of Pesticide Programs

Enclosure



[Text in brackets and italics are notes to the label editor.]  
 [Text in brackets alone are optional statements or alternative statements.]

**NOVALURON GROUP 15 INSECTICIDE**

# CSI Nova 10 SC

[Novaluron Insecticide]

**ACTIVE INGREDIENT:**

Novaluron\* ..... 10.0%

**OTHER INGREDIENTS\*\*:** ..... 90.0%

**TOTAL:** ..... 100.00%

\*Contains 0.83 lbs. novaluron per gallon.

\*\*Contains petroleum distillate.



ADAMA

Consumer & Professional Solutions

**Manufactured for:**

Control Solutions, Inc.  
 5903 Genoa Red Bluff  
 Pasadena, TX 77507

EPA Reg. No: 53883-XXX

EPA Est. No: \_\_\_\_\_

Net Contents: \_\_\_\_\_

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
 (If you do not understand the label, find someone to explain it to you in detail.)

[Alternate text – all or in part: See side panel(s) for First Aid, Precautionary Statements, Directions for Use and Storage and Disposal.]

<b>FIRST AID</b>	
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor.</li> <li>• Do not give <b>any</b> liquid to the person.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. For additional information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), you may contact SafetyCall® International at 1-866-897-8050, twenty-four (24) hours per day seven (7) days per week.</p>	
<p><b>NOTE TO PHYSICIAN:</b> This product may pose an aspiration pneumonia hazard as it contains petroleum distillate.</p>	

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION: Contains petroleum distillate.** Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash hands thoroughly with soap and water after handling.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical-resistant to this product are listed below.

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of barrier laminate, nitrile rubber ≥ 14mils, neoprene rubber ≥ 14mils, or viton ≥ 14mils
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**User Safety Recommendations**

**Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change clothing.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to freshwater and estuarine/marine invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate. This product may contaminate water through drift of spray in wind. This product has a potential for runoff for several days to weeks after application. Poorly draining soil with shallow water tables is more prone to produce runoff. A level, well-maintained vegetative (grass) buffer strip between areas to which this product is applied and the surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from rainfall runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours. Sound erosion control practices will reduce this product's contribution to surface water contamination.

**DIRECTIONS FOR USE**

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

READ ALL DIRECTIONS COMPLETELY BEFORE USE.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves made of barrier laminate, nitrile rubber  $\geq$  14mils, neoprene rubber  $\geq$  14mils, or viton  $\geq$  14mils
- Shoes plus socks

### USE INFORMATION

CSI Nova 10 SC provides an effective means for controlling whiteflies, thrips, leafminers, armyworms, and certain other foliar feeding insects on container and field grown ornamentals in greenhouses, shadehouses, nurseries, in addition to controlling tomato fruitworm, tomato hornworm, tomato pinworm, loopers and armyworms on tomatoes grown in greenhouses. CSI Nova 10 SC is applied as a foliar spray to control immature stages of the target pests. For best results, read all use directions thoroughly. Consult your local agricultural specialist for the spray schedule best suited to your conditions.

When an adjuvant is to be used with this product, Control Solutions, Inc. suggests the use of a Council of Producers and Distributors of Agrotechnology certified adjuvant.

**CHEMIGATION STATEMENT:** Do not apply this product through any type of irrigation system.

**NOTE:** The compatibility of CSI Nova 10 SC with concurrent releases of all insects used for biocontrol of plant pests has not been fully established. When used as directed, CSI Nova 10 SC affects developing immature stages of insects by disrupting the molting process. Consequently, fully developed adult stages of pest and beneficial species are not affected.

**MIXING INSTRUCTIONS:** Prepare solution concentrations in a clean, empty spray tank. Use clean spray filters. Add water to 1/3 level of tank. Add the appropriate amount of CSI Nova 10 SC to the tank and agitate to insure proper mixture. Continue filling tank with water until desired dilution is achieved. Shake or re-agitate spray tank before use if application is interrupted. Make up only the amount of application volume as required. Dispose of any unused spray material at the end of each day according to the instructions found in the STORAGE AND DISPOSAL section of this label.

**TANK MIXING:** CSI Nova 10 SC may also be used in tank mixtures. Test compatibility of the intended tank mixture before adding CSI Nova 10 SC to the spray or tank mix. Add proportionate amounts of each ingredient to a pint or quart jar, cap, shake, and let set 15 minutes. Formation of precipitates that do not readily redisperse indicates an incompatible mixture that cannot be used. Add other products in the following order: water-soluble bags, wettable powders, dry flowables, liquid flowables, emulsifiable concentrates, and soluble materials such as fertilizers. If tank mixing with other products, especially soluble fertilizers containing nitrogen or boron, allow products packed in water soluble bags to dissolve first. Read and follow label directions of all products used in the tank mix before using. When tank mixing, always read all individual manufacturers' labels. In interpreting all labels for the tank mix, the most restrictive situations must apply. Tank mixtures are permitted only in those states where the tank mix partner is registered.

**SPRAY COVERAGE:** All parts of the crop must receive uniform spray coverage to achieve desired results. Consult your local agricultural specialist for specific information on the best rates, timings, and spray volumes for your region.

CSI Nova 10 SC is an insect growth regulator for control of listed foliar insect pests on ornamentals grown in greenhouses, shadehouses, and outdoor nurseries, as well as tomatoes grown in greenhouses. The primary mode of action is by disrupting cuticle formation and deposition occurring when insects change from one developmental stage to another resulting in death at molting. Due to this mode of action, CSI Nova 10 SC has no effect on adult stages of insects that have completed all of the successive molts through larval or nymphal stages of development.

**APPLICATION INSTRUCTIONS:** Apply by compressed air, hydraulic, groundboom or handheld sprayers. Do not apply with high volume airblast sprayers or by aircraft. Minimize drift and movement to non-target areas by directing spray to foliage.

**FOLIAR FEEDING AND SUCKING INSECTS CONTROLLED BY CSI NOVA 10 SC:**

<b>Armyworms, such as:</b>	Beet Armyworm	Lawn Armyworm	Fall Armyworm
	Southern Armyworm	Yellow Striped Armyworm	
<b>Leafminers, such as:</b>	Citrus Leafminer	Serpentine Leafminer	
<b>Thrips*, such as:</b>	Citrus Thrips	Flower Thrips	Gladiolus Thrips
	Western Flower Thrips	Melon Thrips	Chili Thrips
<b>Whiteflies*, such as:</b>	Greenhouse Whitefly	Sweetpotato Whitefly	Silverleaf Whitefly
<b>Others, such as:</b>	Loopers	Tomato Fruitworm	Tomato Hornworm
	Tomato Pinworm	Foliage feeding caterpillars	
	Plant Bugs/Lygus*	Stink Bugs	

\*immatures only

**RESISTANCE MANAGEMENT**

For resistance management, CSI PL 1702 Nova SC contains both a Group 15/Novaluron insecticide. Any insect population may contain individuals naturally resistant to CSI PL 1702 Nova SC and other Group 15 insecticide. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance, take the following steps:

- Rotate the use of CSI PL 1702 Nova SC or other Group 15 insecticide within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticide from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
  - Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
  - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
  - When mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
  - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
  - The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for specific site and pest problems in your area.
- For further information or to report suspected contact your local retailer or your local university extension specialist.

**USE RESTRICTIONS:**

- Do not make more than two (2) applications of CSI Nova 10 SC per crop per calendar year.
- Do not apply more than 52 fl. ozs. of CSI Nova 10 SC (\_\_\_ ozs. Novaluron ai) per acre per crop season.
- Do not apply to poinsettias.
- **Note:** Do not apply to field grown ornamentals in the State of New York. Apply only to container grown ornamentals in greenhouses, shadehouses and nurseries.

**PLANT TOLERANCE:** Neither the manufacturer nor the seller has determined whether CSI Nova 10 SC can be used safely on all ornamental plants. Before any large-scale application, the user should determine the safety of CSI Nova 10 SC by testing a small number of the type of plants to be treated at the required rates and under the desired growing conditions. Observe the treated plants for symptoms of phytotoxicity, which may occur as chlorosis on sensitive plants. The user assumes all risks arising out of application to untested plants.

**INSECTS CONTROLLED BY CSI NOVA 10 SC IN TOMATO (GREENHOUSES)**

TARGET PESTS	APPLICATION RATES FL. OZS. PER ACRE	APPLICATION TIMING
Armyworms Foliage feeding caterpillars Loopers Plant bugs/Lygus Stink bugs Thrips Tomato fruitworm Tomato hornworm Tomato pinworm Whiteflies	9 - 12	Apply when the majority of the population is at egg hatch to the second instar. Apply in a spray volume of 50-100 gallons per acre. Use higher rates and higher spray volumes when larvae are large, or foliage canopy is tall or dense. For the most effective control, scout greenhouses and apply spray in a timely manner.  Reapplication on a 7 day interval may be required to protect fruit and foliage.  Do not apply more than three (3) applications per acre per calendar year.  Do not apply more than two applications against whiteflies or thrips per acre per calendar year.  Do not apply more than 36 fl. ozs. of CSI Nova 10 SC (___ ozs. Novaluron ai) per acre per crop season.  Do not apply within one day of harvest.

**FOLIAR FEEDING AND SUCKING INSECTS CONTROLLED BY CSI NOVA 10 SC IN ORNAMENTALS**

TARGET PESTS	APPLICATION RATES FL. OZS. PER ACRE	APPLICATION TIMING
Armyworms Leafminers Lygus Thrips Whiteflies	6 - 8	Apply when the majority of the population is at egg hatch to the second instar. Use higher rates and higher spray volumes when larvae are large, or foliage canopy is tall or dense. Reapplication on a 7 – 10 day interval or sooner may be required. For the most effective control, scout greenhouses and apply spray in a timely manner.  When pest population pressure is high, use the higher label rates.

	<p>Apply as a spray to the foliage through conventional spray equipment. One gallon of finished spray will treat 200 sq. ft. of greenhouse bench area.</p> <p>Do not make more than two (2) applications of CSI Nova 10 SC per acre per calendar year.</p> <p>Do not apply more than 36 fl. ozs. of CSI Nova 10 SC (___ ozs. Novaluron ai) per acre per crop season.</p> <p>Do not apply to poinsettias.</p>
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### STORAGE AND DISPOSAL

**DO NOT** contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in a cool, dry (preferably locked) area that is inaccessible to children and animals.

**PESTICIDE DISPOSAL:** Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER HANDLING: Nonrefillable Container (five gallons or less):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

**Nonrefillable Container (greater than five gallons):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

**Refillable Container:** Refillable container. Refill this container with novaluron only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

### WARRANTY STATEMENT

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Control Solutions, Inc. or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Control Solutions, Inc. and Seller harmless for any claims relating to such factors.

To the extent consistent with applicable law, Control Solutions, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Control Solutions, Inc., and Buyer and User assume the risk of any such use. CONTROL SOLUTIONS, INC. MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, IT IS **CONTROL SOLUTIONS INC., AND SELLERS INTENTION THAT** in no event shall Control Solutions or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF CONTROL SOLUTIONS, INC., AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF CONTROL SOLUTIONS, INC. OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

To the extent consistent with applicable law, Control Solutions, Inc. and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of Control Solutions, Inc.